

S/182/62/000/005/007/007  
DG36/D113

AUTHORS: Nepechiy, P.D. and Vol'skiy, S.A.

TITLE: Protective coating of blank and ingot surfaces

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 5, 1962, 46-47

TEXT: A protective coating, to protect the surface of steel blanks and ingots from decarbonization and high scale formation caused by furnace gases in holding furnaces, was developed. The coating consists of the following: 77% soluble glass; 1% Al powder, and 22% magnesite powder (0.5 mm fractions). At 700-800°C the coating is transformed into a viscous mass. As the metal moves along the furnace floor, a solid skin forms on its surface and protects it from the penetration of gas furnace gases. A 1 mm thick layer should be used. Maximum scale thickness on coated blanks was 1.5 mm as compared with 3-4 mm on uncoated blanks. It is concluded that the coating can be used on high alloy steels.

Card 1/1

NEPECHIY, P.D.; VOL'SKIY, S.A.

Protective lubricants for blank and ingot surfaces. Kuz.-shtam.  
proizv. 4 no.5:46-47 My '62. (MIRA 16:5)  
(Metalworking lubricants)

NEPECHIY, P.D.; VOL'SKIY, S.A.

New design of packing for rods in the cylinders of steax and  
air hammers. Kuz.-shtam. proizv. 3 no.3:44 Mr '61. (MIRA 14:6)  
(Forging machinery)  
(Packing (Mechanical engineering))

VOLASKY, S. A.

32527. Tsinkolenko, B. P. Metod izgotovleniya rolikov diya bezalmaznoy provki  
shlifoval'nykh krugov. "Stanki-i-instrument", 1949, No. 10, s. 17-18.

SO: Letopis' Zhurnal'nykh Statey Vol. 44

VOL'SKIY, S. A.

32526. Vol'skiy, S. "Prisposoblaniya dlya besalmaznoy pravki shlifoval'nykh krugov. Stanki i instrument, 1949, No. 10, s. 18.

SO: Letopis' Zhurnal'nykh Statey Vol. 44

VOL'SKIY, S. A. AND I. V. KHARIN

Pnevmaticheskoe upravlenie friktsionnymi pressami. (Vestn. Mash., 1950, no. 5, p. 41-42)

Pneumatic control of friction presses.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

NEPECHIY, P.D.; VOL'SKIY, S.A.

Ejecting device on straightening machines. Metallurg 8 no.5:30  
My '63. (MIRA 16:7)

1. Dnepropetrovskiy staleplavil'nyy zavod vysokokachestvennykh  
i spetsial'nykh stalei.  
(Straightening machines)

TSYBIN, V.S., kand.tekhn.nauk; VOL'SKIY, S.G., inzh.; BOGATYKH, Yu.T.,  
inzh.

Automobile wheels made of glass-reinforced plastics. Izv. vys.  
ucheb.zav.; mashinostr. no.2:124-131 '64. (MIRA 17:5)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.

VOL'SKII, T. I.

RT-1313 Osteoplastic amputations and reamputations Condensed from: Kostneoplasticheskie amputatsii i reamputatsii.  
Khirurgia, (6): 73-79, 1945.

VOL'SKIY, V.

Above the Caucasus ridge. Grazhd.av. 19 no.7:15 J1 '62.  
(MIRA 15:8)  
(Caucasus--Aeronautics, Commercial)

VOL'SKIY, Vitaliy [Vol'ski, Vitali]

Belovezhskaya Pushcha. Rab. i sial. 39 no.8:12-13 Ag '63.  
(MIRA 16:9)

VOL'SKIY, V.; GORDON, Kh.

Wage and qualification manual for assembly-line machine building.  
Sots. trud. no.11:83-86 N '56. (MLRA 10:1)  
(Voronezh--Excavating machinery--Production standards) (Wages)

MARKOVICH, M.; KALOMFIRESKU, A.; VOL'SKIY, V.

Studies on first vaccination against poliomyelitis in Bucharest;  
epidemiological effectiveness of Lepin's vaccine. Zhur.mikrobiol.  
epid.i immun. 30 no.10:24-27 0 '59. (MIRA 13:2)

1. Iz Instituta gigiyeny i sanitarno-epidemiologicheskoy stantsii g.  
Bukharesta (Rumyniya).  
(POLIOMYELITIS prev. & control.)  
(VACCINATION)

VOL'SKIY, V.

Method for working out calendar plans for the review of production standards in serial machinery manufacturing. Sots. trud no.2:83-89 F '57. (MLRA 10:5)

(Machinery Industry--Production standards)

VOL'SKIY, V.

Are the work norm specialists responsible? Sots. trud. no. 5:93-94  
(MIRA 9:8)  
My '56.  
(Production standards)

VOL'SKIY, V., zhurnalist (Riga)

Latvia is developing. Nauka i zhyttia 12 no.7:34-35 Jl '62.  
(MIRA 16:1)  
(Latvia-Economic conditions)

VOL'SKIY, V.; ABRAM, P.

Establishing consolidated norms for assembly work. Sots.trud 7  
no.4187-94 Ap '62. (MIRA 16,1)  
(Machine-shop practice—Production standards)

VOL'SKIY, V.; GRIDCHIN, I.; YEMEL'YANOV, A.; RABAN, V. (Lutsk); VOLOSHINSKIY, V. (Lutsk)

Exchange of news and experience. Izobr. i rats. no. 7:18-19 Jl '62.  
(MIRA 16:3)

1. Sotrudnik zhurnala "Nauka i tekhnika", Riga (for Vol'skiy).
2. Otvetstvennyy sekretar' gazety "Put' Oktyabrya", Lugansk (for Gridchin).
3. Predsedatel' soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov Orenburgskogo shelkokombihata (for Yemel'yanov).  
(Technological innovations)

VOL'SKIY Vitali; MIKHAILOVICHUK, S., redaktar; VARYENCHYK, V., mastatsko-  
tekhnichny redaktar

[Month after month; a White Russian nature calendar] Mesiatecza  
mesiatecza; kalendar belaruskai pryrody. Minsk, Dziesirshaunae vyd-va  
BSSR, 1956. 76 p. (MLRA 10:2)  
(White Russia—Nature study)

VOL'SKIY, Vitaliy[Vol'ski, Vitali]

Women of Africa. Rab. i sial. 39 no.4:16-17 Ap '63.  
(MIRA 16:4)

(Africa—Women)

TSOMAYA, S.V.; VOL'SKIY, V.F.

[Novyi Afon. Tbilisi, Sabchota Sakartvelo, 1958. 59 p.  
(MIRA 14:11)

(AKHALI-AFONI—HEALTH RESORTS, WATERING PLACES, ETC.)

VOL'SKIY, V. G.

"Agrobiological Features of Corn Raising Under L'vovskaya Oblast Conditions." Cand Agr Sci, Belotserkov Agricultural Acad imeni K. A. Timiryazev, Moscow, 1955. (KL, No 8, Feb 55)

SO: Sum No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

VOL'SKIY, Vasiliy Grigor'yevich

[Corn is a crop with great possibilities] Kukurudza - kultura velykykh  
mozhlyvostei. Lviv, Upravliniia sil'skoho hospodarstva, 1955. 34 p.  
(Corn (Maize)) (MLRA 10:3)

M

Country : USSR  
Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol., No 11, 1958, No 48896

Author : Vol's'kiy, V.G.  
Inst : Sci. Res. Inst. of Agriculture and Animal Husbandry  
of the Western Districts of the Ukrainian SSR.  
Title : Influence of the Root Bed on Corn Crop Formation.

Orig Pub: Inform. byul. Nauk.-dosl. in-t zemlerobstva i  
tvarinnitstva zakhidn. rayoniv USSR, 1956, vyp. 1,  
14-17

Abstract: No abstract.

Card : 1/1

KIYAK, G. S. [Kyiak, H.S.]; VOL'SKIY, V.G. [Vol's'kiy, V.H.]

Effect of spacing on the formation of the corn crop. Pratsi Inst.  
agrobiol. AN URSR 7:3-11 '57. (MIRA 11:7)  
(Corn (Maize)) (Plants, Space arrangement of)

DYMOV, M.G. [Dymov, M.H.], otr.red.; BURAK, P.Yu., red.; VOL'SKIY,  
V.G. [Vol's'kyi, V.H.], red.; ZDEORUK, I.A., red.; OVSYANNIKOV,  
V.B., red.; TSITOVIDCH. O.Ye., red.; DEMCHUK, M., red.izd-va;  
MEDOVIZ, S., tekred.

[They have golden hands; story of Lvov Province corn growers who  
have exceeded the thousand centner mark] U nykh zoloti ruky;  
rozpovid' pro znatnykh kukurudzovodiv-tysiaschnykiv L'vivshchyny.  
L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1958. 200 p.

(MIRA 14:1)

(Lvov Province--Corn (Maize))

VOL'SKIY, V., kand. sel'skokhozyaystvennykh nauk

Corn in the Western Ukraine. Nauka i pered. op v sel'khoz. 9 no.6:  
12-16 Je '59. (MIRA 12:9)  
(Ukraine, Western--Corn (Maize))

DOLINYUK, Yevgeniya Alekseyevna, dvazhdy Geroy Sotsialisticheskogo Truda;  
VOL'SKIY, V.G., kand.sel'skokhoz.nauk, red.; KATSNEIL'SON, S.M.,  
red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Corn is a high-yield crop; practices of a field team on the  
Stalin Collective Farm in the Mel'nitsa-Podol'skaya District,  
Ternopol Province] Kukuruza - vysokourozhainaya kul'tura; opyt  
zven'evoi kolkhoza imeni Stalina Mel'nitsa-Podol'skogo raiona  
Ternopol'skoi oblasti. Pod obshchey red. V.G.Vol'skogo. Moskva,  
Izd-vo "Znanie," 1960. 30 p. (Vsesoiuznoe obshchestvo po raspro-  
straneniu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe  
khozisistvo, no.13). (MIRA 13:7)

(Mel'nitsa-Podol'skaya District--Corn (Maize))

VOL'SKIY, V.G. [Vol's'kyi, I.H.], otv. red.: YEVMINOV, V.M.  
[IEvminov, V.m.], red.; IRVANETS', O.M., red.;  
KIPARENKO, M.M. [Kyparenko, M.M.], red.; KOZAK, Ye.I.,  
red.; MALUSHA, K.V., red.; NEGRIVAN, I.N., red.;  
OVSYANNIKOV, V.B. red.: PLETN'OVA, O.V., red.; SULIMA,  
Ya.F., red. [Sulyma, IA.F.], red.; FAVOROV.O.M., red.

[Recommendations for the chemicalization of agriculture in  
Lvov Province] Rekomendatsii po khimizatsii sil'skoho hos-  
podarstva L'vivshchyny. L'viv, Kameniar, 1964. 84 p.  
(MIRA 17:9)

1. Naukovo-doslidnyy institut zemlerobstva i tvarynnystva  
zakhidnykh rayoniv URSS.

VOL'SKIY, V.G.[Vol's'kiy, V.N.], kand. sel'khoz. nauk, red.;  
LIVIY, G.B.[Livi, R.E.], red.; KAPENOK, K.A., red.

[Specialization of agriculture in Gliyany District;  
western forest-steppe] Spetsializatsiya sil'skogo hos-  
podarstva v Gliyans'kому raione; zakhidiyi limostep.  
Kyiv, Derzhsil'hopryvdat UkrSSR, 1962. 159 p.

(KIRA 17:9)

1. Naukovo-doslidnyy institut zemlerobstva i tvarynnystva  
zakhidiykh rayoniv UkrSSR.

USTINOV, A.M.; VOL'SKIY, V.K.

Effect of the amount of gas in a seam on the length and advancement of  
the longwall. Nauch. trudy KNIUI no.16:134-140 '64. (MIRA 18:7)

VOL'SKIY, V.S., inzh.; MARKOVA, V.I., tekhnik; ZHMAKIN, D.F., inzh.;  
GRINBERG, R.Ya., inzh., red.; SMIRNOVA, G.V., tekhn. red.

[General time norms used in the machinery industry for technical  
standardization of preparatory work on metal elements; small-lot  
and piece production] Obshchemashinostroitel'nye normativy vremeni  
dlia tekhnicheskogo normirovaniia zagotovitel'nykh rabot po me-  
tallokonstruktsiiam; melkoseriinoe i edinichnoe proizvodstvo.  
Moskva, Mashgiz, 1962. 102 p. (MIRA 15:12)

1. Moscow. Tsentral'noye byuro promyshlennyykh normativov po tru-  
du. 2. Vsesoyuznyy proyektno-tehnologicheskiy institut Minister-  
stva transportnogo mashinostroyeniya SSSR (for Zhmakin, Markova,  
Vol'skiy).

(Machine-shop practice—Production standards)

VOL'SKIY, V.S.

ALEKSEYEV, S.A.; ZHMAKIN, D.F.; KEREKESH, V.V.; MALOV, A.N.;  
MARTSINOVSKIY, P.L.; MOLOTOK, A.V.; NESMELOV, V.A.;  
TEVEROVSKIY, P.A.; KHISIN, R.I.; DELITSIN, A.A., retsenzent;  
SOKHNOVSKIY, M.A., retsenzent; STEFANOV, V.P., retsenzent;  
STOROZHEV, M.V., retsenzent; TALANOV, P.I., retsenzent;  
FAL'KEVICH, A.S., retsenzent; CHERNUSHEVICH, V.A., retsenzent;  
KHISIN, R.I., red.; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.;  
STRUZHESTRAKH, Ye.I., red.; SEMENOVA, M.M., red. izd-va; MODEL',  
B.I., tekhn. red.

[Manual for the establishment of norms in the machinery industry  
in 4 volumes] Spravochnik normirovshchika-mashinostroitelia v  
4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-  
ry. Vol.3. [Establishing norms for founding, stamping, welding,  
painting, metal plating, and woodwork] Normirovanie liteinykh,  
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bot, metallopokrytii i derevoobrabotki. 1962. 671 p.  
(MIRA 15:4)

(Machinery industry—Production standards)

VOLSKIY, V.S.

ALEKSEYEV, S.A.; ZHMAKIN, D.F.; KEREKESH, V.V.; MALOV, A.N.;  
MARTSINOVSKIY, P.L.; MOLOTOK, A.V.; NESMELOV, V.A.;  
TEVEROVSKIY, P.A.; KHISIN, R.I.; DELITSIN, A.A., retsenzent;  
SOKINOVSKIY, M.A., retsenzent; STEFANOV, V.P., retsenzent;  
STOROZHEV, M.V., retsenzent; TALANOV, P.I., retsenzent;  
FAL'KEVICH, A.S., retsenzent; CHERNUSHEVICH, V.A., retsenzent;  
KHISIN, R.I., red.; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.;  
STRUZHESTRAKH, Ye.I., red.; SEMENOVA, M.M., red. izd-va; MODEL',  
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ry. Vol.3. [Establishing norms for founding, stamping, welding,  
painting, metal plating, and woodwork] Normirovanie litaemykh,  
kuznechnykh, shtampovochnykh, svarochnykh, lakokrasochnykh ra-  
bot, metallopokrytii i derevoobrabotki. 1962. 671 p.  
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(Machinery industry—Production standards)

VOL'SKIY, Vladimir Stepanovich; GOHDON, Eheim Itskovich; KHOKHLOV, V.S.,  
inzh., retsenzent; TSEYTS, I.E., retsenzent; DMSYATKOV, M.I.,  
inzh., red.; DOBRITSINA, R., tekhn.red.

[Establishing enlarged norms for metal cutting; generalization  
of the practice in establishing enlarged norms] Ukrupnennoe  
tekhnicheskoe normirovaniye stanochnykh rabot; obobshchenie  
opыта razrabotki ukrupnennykh normativov. Moskva, Mashgiz,  
1961. 206 p. (MIRA 14:12)

(Factory management) (Metal cutting)

VINNIK, L.M.; GRINBERG, R.Ya.; KAMINSKIY, Ya.A.; KLEPIKOV, V.D.; KUZNETSOV, A.M.; KUCHENEV, N.I.; STRUZHESTRAKH, Ye.I.; TISHIN, S.D.; KHARITONOV, A.B.; TSEYTS, I.E.; SHAPIRO, I.I.; SHAPIRO, M.Ya.; ANAN'YAN, V.A., retsenzent; VASIL'YEV, D.T., retsenzent; GORETSKAYA, Z.D., retsenzent; KARTSEV, S.P., retsenzent; KEDROV, S.M., retsenzent; KOMISSARZHEVSKAYA, V.N., retsenzent; KOPERBAKH, B.L., retsenzent; KORBOV, M.M., retsenzent; LEONOV, N.I., retsenzent; LUR'YE, G.B., retsenzent; NOVIKOV, V.F., retsenzent; GAL'TSOV, A.D., red.; VOL'SKIV, V.S., red.; KHISIN, R.I., red.; SEMENOVA, M.M., red. izd-va; MODEL', B.I., tekhn.red.

[Reference book for establishing norms in the manufacture of machinery; in 4 volumes] Spravochnik normirovshchika-mashinostroitelia; v 4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol.2. [Establishing technical norms for operating machine tools] Tekhnicheskoe normirovanie stanochnykh rabot. Pod red. E.I.Struzhestrakha. 1961. 392 p.

(MIRA 14:8)

(Industrial management) (Machine tools)

SERGEYEV, A.V.; VOL'SKIY, V.S., inzhener, retsensent; AKSARIN, D.I.  
inzhener, ~~retsevants~~; TAL'TSOV, A.D., inzhener, redaktor;  
SAKSAGANSKIY, T.D., redaktor; BOGOLYUBOVA, I.Yu., redaktor;  
TIKHONOV, A.Ya., tekhnicheskij redaktor.

[Technical norms in machine-shops] Tekhnicheskoe normirovaniye v  
tekhnicheskikh tsakhakh. Izd.2-e, perer. i dop. Moskva, Gos.  
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 231 p. (MLRA 8:11)  
(Machine-shop practice)

VOL'SKIY V.S. ~~inshener.~~

Consolidating time study units. Stroili dor.mashinostr. 1 no.3:30-  
34 Mr '56. (MIRA 10:1)

(Time study)

GAL'TSOV, A.D.; DENISYUK, I.N.; LEVANDOVSKIY, S.N.; LOSEV, A.G.; PEZIK, M.O.; PETROCHENKO, P.P.; SAVOS'KIN, N.M.; TRUBITSKIY, G.R.; KHISIN, R.I.; KHROMILIN, V.I.; ALEKSEYEV, S.S., retsenzent; GAL'PERIN, L.I., retsenzent; GRANOVSKIY, Ye.N., retsenzent; ZAKHAROV, N.N., retsenzent; KVASHNIN, S.A., retsenzent; KEREKESH, V.V., retsenzent; KOTENKO, I.N., retsenzent; LIVSHITS, I.M., retsenzent; LERNER, G.V., retsenzent; NEVSKIY, B.A., retsenzent; NOVIKOV, V.F., retsenzent; RAZAMAT, E.S., retsenzent; SERGEYEV, A.V., retsenzent; STEFANOV, V.P., retsenzent; TOLCHENOV, T.V., retsenzent; FEDOTOV, F.G., retsenzent; VOL'SKIY, V.S., red.; SHUZHASTRAKH, Ye.I., red.; USPENSKIY, Ya.K., red.; SEMENOVA, M.M., red.izd-va; MODEL', B.I., tekhn.red.

[Handbook for work-norm experts in machine manufacture] Spravochnik normirovshchika-mashinostroitelia v 4 tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.1. [Fundamentals of technical normalization] Osnovy tekhnicheskogo normirovaniia. 1959. 676 p. (MIRA 12:12)

(Standardization)

VOL'SKIY, V.S.

MOLOTOK, A.V.; DMITRIYEV, A.I.; GORBATENKO, A.I.; SHAROYAN-SARINGULYAN, G.P.; MALAKHOV, P.Ye.; KRIVOUKHOV, V.A., doktor tekhn.nauk, red.; GRANOVSKIY, G.I., prof., doktor tekhn.nauk, red.; TRET'YAKOV, I.P., prof., doktor tekhn.nauk, red.; ALEKSEYEV, S.A., dotsent, red.; MALOV, A.N., dotsent, kand.tekhn.nauk, red.; SHAKHNAZAROV, M.M., dotsent, red.; VOL'SKIY, V.S., red.; GAL'TSOV, A.D., red.; KABANOV, N.Ya., red.; TOLCHENOV, T.V., red.; KHARITONOV, A.B., red.; KHISIM, R.I., red.; SHOR, M.I., red.; SEMENOVA, M.M., red. izd-va; ML'KIND, V.D., tekhn.red.

[Time norms in general machinery manufacturing for applying coats of lacquer; large, medium, and small scale production]  
Obshchemashinostroitel'nye normativy vremeni na lakokrasochnye pokrytiia; krupnoseriimoe, seriinoe i malkoseriinoe proizvodstvo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. (MIRA 12:6) lit-ry, 1959. 83 p.

1. Moscow. Nauchno-issledovatel'skiy institut truda. TSentral'-noye byuro promyshlennyykh normativov po trudu. 2. Rabotniki etdela trudovykh normativov Nauchno-issledovatel'skogo instituta traktorsel'khozmashta (for Molotok, Dmitriyev, Gorbatenko, Sharoyan-Sarignumyan, Malakhov).

(Painting, Industrial) (Machinery industry)

BYKOV, Boris Vladimirovich, ekonomist; VOL'SKIY, V.S., inzhener; KOVALEV, F., inzhe-  
ner, laureat Stalinskoy premii.

[Generalization and comprehensive introduction of Stakhanovite practice;  
initiative of innovators of the Sverdlovsk Order of the Red Banner of Labor  
"Pnevmostroimashina" named after Ordzhonikidze] Oboshchenie i komplekkenoe  
vnedrenie stakhanovskogo optya; pochin novatorov Sverdlovskogo ordena trudo-  
vogo krasnogo znameni zavoda "Pnevmostroimashina" im. Ordzhonikidze. [Sosta-  
viteli: B.V.Bykov i V.S.Vol'skii] Moskva, Gos.nauchno-tekhnik.izd-vo mashino-  
stroit.lit-ry, 1953. 46 p. (MLR 6:7)

1. Sverdlovskiy Ordena trudovogo krasnogo znameni zavod "Pnevmostroimashina"  
imeni Ordzhonikidze. (Building machinery industry)

KOCHETKOV, Georgiy Dmitriyevich, ; ORUN, L.M., inzh., retsenzent, ; VOL'SKIY,  
V.S., inzh., red.; BARYKOVA, G.I., red. izd-va.; GERASIMOVA, Ye.S.,  
tekhn. red.

[Experience in high-output grinding; cylindrical grinding in a  
tool section] Opyt vysokoproizvoditel'nogo shlifovaniia; krugloie  
shlifovaniie v instrumental'nom tsekhе. [Moskva] Gos. nauchno-tekhn.  
izd-vo mashinostroit lit-ry, 1958. 36 p. (MIRA 11:10)  
(Grinding and polishing)

VOLICKY, V. S.

2/5  
7.1.12

Tokar'-skorostnaya oboschche-nie opti-to-karei-hovatorev (High-speed, V. S. metal-turner; generalizing of turner-innovators practice, 3y) V. S. Volickiy, Kh. I. Verdon, and I. P. Solodov, Moscow, Vashchigia, 1950. 135 p. diagrs., tables.

SOLODOV, I. P., ENG., VOL'SKII, V. S., ENG.

Turning

Introducing everywhere high speed lathework in assembly line machine construction. Vest. mash. 32 No. 2 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

DERYABINA, V.I., inzh.; MOROZOV, D.A.; TSARITSENKO, N.I.; STROCHILIN,  
F.A.; VOL'SKIY, V.S., inzh.; VLADIMIROVA, L.A., tekhn.  
red.

[General time norms used in the machinery industry for  
technical standardization of free hammer forging proces-  
ses; small lot and piece production] Obshchemashino-  
stroitel'nye normativy vremeni dia tekhnicheskogo normi-  
rovaniia rabot po svobodnoi kovke pod molotami; melko-  
seriinoe i edinichnoe proizvodstvo. Moskva, Mashgiz, 1962.  
(MIRA 15:7)  
107 p.

1. Moscow. TSentral'noye byuro pronyshlennyykh normativov po  
trudu. 2. Vsesoyuznyy proyektno-tehnologicheskiy institut  
tyazhelogo mashinostroyeniya (for Deryabina, Morozov,  
TSaritsenko, Strochilin, Vol'skiy). 3. Nachal'nik otdela  
tekhnicheskikh normativov po trudu Nauchno-issledovatel'-  
skogo instituta truda (for Vol'skiy).

(Forging—Production standards)

SEMINSKIY, V.K.; VOL'SKIY, V.S., inzh., red.

[Increasing labor productivity in machining on lathes]  
Povyshenie proizvoditel'nosti truda pri rabote na to-  
karnykh stankakh. Izd.2., perer. i dop. Moskva, Ma-  
shinostroenie, 1965. 102 p. (MIRA 18:2)

VOL'SKIY, V.V.

Postwar aggravation of the Anglo-American fight for oil and the shifts in  
the geography of the petroleum industry of capitalist countries. Vop-  
geog. vol.29:126-162 '52. (MLRA 6:7)  
(Petroleum industry)

*Vol'skiy, V.*  
PRATT, Wallace Everett; GOOD, D.; BOROVIK, L.Ya.[translator]; MIKHAYLOVA, V.P.,  
[translator]; VOL'SKIY, V.V., red.; LEVINSON, V.G., red. geolog.chasti.

[Geography of petroleum] Geografiya nefti. Sokrashchennyi  
perevod s angliyskogo L.Ya.Borovika i V.P.Mikhaylova. Red. i  
predst. V.V.Vol'skogo. Red.geologicheskoy chasti V.G.Levinsona.  
Moskva, Izd-vo inostrannoy lit-ry, 1954. 288 p. (MIRA 11:1)  
(Petroleum)

VOL'SKIY, Viktor Votslavovich; OLINKIN, Anatoliy Nikolayevich; LAVRENT'YEVA,  
Ye.V., redakter; NOGINA, N.I., tekhnicheskiy redaktor.

[Brazil] Brasilia. Moskva, Gos. izd-vo geogr. lit-ry. 1956. 87 p.  
(Brazil--Geography) (MLRA 9:5)

~~VOL'KOV, V. M. i D. N. CHININ, R. Ye.; BERKOV'KIY, A. B., redaktor; VILE ISKAY...~~  
~~S. B., tekhnicheskiy redaktor~~

[Venezuela, Colombia, Ecuador, Guiana] Venezuela, Kolombiya,  
Ecuador, Gviana. Moskva. Gos. izd-vo geogr. lit-ry, 1957. 31 p.  
(South America) (MLRA 10:10)

VOL'SKII, N.; DOLININ, A.; VOLKOV, A.; TIKHOMIROV, V.P., otvetstvennyy red.;  
CHIZHOV, N.N., red.; VILENSKAYA, N.N., tekhn. red.

[Brazil, Bolivia, Paraguay, Uruguay] Braziliia, Boliviia, Paragvai,  
Urugvai. Moskva, Gos. izd-vo geogr. lit-ry, 1958. 31 p.  
(Brazil) (Bolivia) (Paraguay) (Uruguay) (MIRA 11:7)

VOL'SKIY, V.V.

Cuban scientist and honorary doctor of geographical sciences  
of Moscow University. Vest. Mosk. un. Ser. 5: Geog. 15 no.4:65-66  
Jl - Ag '60. (MIRA 13:9)

(Núñez Jiménez, Antonio)

VOL'SKIY, V.V.

Present-day status and projects for utilizing water power resources  
in southeastern Brazil. Vest. Mosk. un. Ser. 5: Geog. 17 no.1:20-26  
Ja-F '62. (MIRA 16:7)

1. Kafedra ekonomicheskoy i politicheskoy geografii kapitalisti-  
cheskikh i slaborasvitykh stran Moskovskogo universiteta.  
(Brazil—Hydroelectric power)

VOL'SKIY, V.V.

Several problems in the theory and practice of economic geography.  
Vest. Mosk. un. Ser. 5: Geo. 18 no.4:14-24 Jl-Ag '63.

(MIRA 17:2)

1. Kafedra ekonomicheskoy i politicheskoy geografii kapitalisticheskikh i slaborazvitykh stran Moskovskogo universiteta.

VOL'SKIY, V.V.

Economic and geographical problems of developing the power resources  
of Brazil. Vop. geog. no.64:131-159 '64. (MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet, geograficheskiy fakul'-  
tet.

L 17851-66 EWA(h)/EEC(k)-2/EWT(1)

ACC NR: AP6004555

(A)

SOURCE CODE: UR/0103/66/000/001/0119/0132

AUTHOR: Vol'skiy, V. Ye. (Leningrad)

ORG: None

36

B

TITLE: Design of relay circuits using the standard USEPPA device

SOURCE: Avtomatika i telemekhanika, no. 1, 1966, 119-132

TOPIC TAGS: pneumatic control, mechanical relay

ABSTRACT: The author investigates methods of designing pneumatic relay systems using the standard USEPPA device (T. K. Berends, A. A. Tagayevskaya, A. A. Tal', Sb. "Pnevmo- i gidroavtomatika", Izd-vo "Nauka", 1964) constructed from single-output three-membrane relays shown in Fig. 1. The representation of the Boolean function in the form of a superposition of the operators of the circuit is achieved by additional transformations based on the cascade approach (G. N. Povarov, Avtomatika i telemekhanika, t. XVIII, No. 2, 1957). The author presents pneumatic relay operators for various possible connection combinations, outlines the properties of the cascade method expansion functions, reduces the various operators to a standard form, and describes the steps for the establishments of schemes. Three examples of Boolean function realization are derived. The proposed method

Card 1/2

UDC: 62-525

2

L 17851-66  
ACC NR: AP6004555

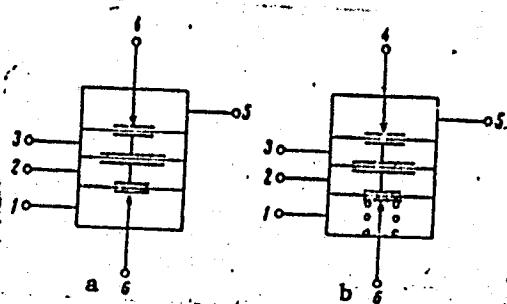


Fig. 1. Three membrane relays.  
Connecting pipes 2 and 3 serve as inputs. Pipes 1, 4, 5, and 6  
in appropriate combinations join to form the single output.

can be also used for equivalent circuit transformations. Orig. art. has: 86  
formulas, 7 figures, and 2 tables.

SUB CODE: 13 / SUBM DATE: 21Dec64 / ORIG REF: 003 / OTH REF: 001

Card 2/2    nat

VOL'SKIY, V.Ye. (Leningrad)

Method for constructing matrices of states of intermediate  
elements in the synthesis of multicycle switching systems.  
Avtom. i telem. 26 no.3:551-555 Mr '65.

(MIRA 18:6)

VOL'ISKY, V.Ye., Inzh.

Pneumatic relay techniques in overall automation systems of marine  
gas turbine and combined power plants. Sudostroenie 31 no.4:25-29  
Ap '65. (MIRA 18:8)

VOL'SKIY, Ye.P.

Studying the Fermi surface of aluminum by the method of quantum oscillations of high-frequency surface resistance. Zhur. eksper. i teor. fiz. 46 no.1:123-133 Ja'64. (MIRA 17:2)

1. Institut fizicheskikh problem AN SSSR.

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40543  
S/056/62/043/003/061/053  
B104/B102

AUTHOR: Vol'skiy, Ye. P.

TITLE: The quantum oscillations of the quasistatic conductivity of bismuth in a magnetic field

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 3(9), 1962, 1120-1122

TEXT: These oscillations (3 Mcps) of  $\omega\tau \ll 1$  were studied at  $1.7^0\text{K}$  in magnetic fields of 0.8-8 koe, by a generator method (Fig. 1) frequently used in nuclear magnetic resonance investigations. A bismuth crystal was arranged as shown in Fig. 1. The magnetic field was modulated with 80 cps. The oscillations were measured with various directions between magnetic field and base plane. The results were compared with a three-ellipsoid Fermi surface model proposed by D. Shoenberg (Progr. in Low Temperature Physics, ed. by C. J. Gorter, 2, 1957). They prove the correctness of the proposed model and are consistent with measurements at  $10^{10}$  cps. There are 3 figures.

Card 1/2

The quantum oscillations of the...

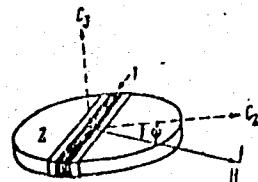
S/056/62/043/003/061/06;  
B104/B102

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR (Institute of Physical Problems of the Academy of Sciences USSR)

SUBMITTED: July 11, 1962

Fig. 1. Directions of specimen, of h.f.-current and of magnetic field.

Legend: (1) induction of generator circuit, (2) bismuth single crystal.



Card 2/2.

VOL'SKIY, Ye.P.

Quantum oscillations of the quasi-static conductivity of bismuth  
in a magnetic field. Zhur. eksp. i teor. fiz. 43 no.3:1120-1122 '62.  
(MIRA 15:10)

1. Institut fizicheskikh problem AN SSSR.  
(Bismuth) (Quantum theory) (Magnetic fields)

ACCESSION NR: AP4012531

S/0056/64/046/001/0123/0133

AUTHOR: Vol'skiy, Ye. P.

TITLE: Investigation of the Fermi surface of aluminum by the method of the quantum oscillations of the high frequency surface resistance

SOURCE: Zhurnal eksper. i teoret. fiz., v. 46, no. 1, 1964, 123-133

TOPIC TAGS: aluminum, Fermi surface, nuclear magnetic resonance, surface resistance, high frequency surface resistance, quantum oscillation, surface resistance quantum oscillation, nuclear magnetic resonance spectrometer

ABSTRACT: In order to draw more definite conclusions on the Fermi surface of aluminum, quantum oscillations of the surface resistance of single-crystal aluminum were investigated with a nuclear magnetic resonance spectrometer at 5 Mc/sec in fields up to 12 kG and a temperature 1.6K. Long-period and short-period oscillations are ob-

Card 1/2

ACCESSION NR: AP4012531

served. Measurements of the periods of the oscillations as functions of the reciprocal field yielded the anisotropy of the extremal Fermi-surface cross sections in the (100) and (110) planes for various field directions. Several characteristic features of the shape of the Fermi surface of aluminum follow directly from the obtained results. A complete analysis of the experimental results indicates agreement with the model of N. W. Ashcroft (Phys. Lett. v. 4, 202, 1963) of the Fermi surface of aluminum in zone III. "The author is grateful to P. L. Kapitsa and A. S. Borovik-Romanov for interest in the work, to M. S. Khaykin and R. T. Mina for great help and a discussion of the results, and to Dr. Ashcroft for his particularly valuable private communication." Orig. art. has: 8 figures and 4 formulas.

ASSOCIATION: Institut fizicheskikh problem AN SSSR (Institute of Physics Problems AN SSSR)

Card 2/B2

ACCESSION NR: AP4042564

S/0056/64/046/006/2035/2041

AUTHOR: Vol'skiy, Ye. P.

TITLE: Quantum oscillations of the quasistatic conductivity of bismuth in a magnetic field

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 6, 1964, 2035-2041

TOPIC TAGS: bismuth, quantum statistics, conduction band, Fermi surface, hole conduction

ABSTRACT: Elaborating on a preliminary study of the quantum oscillations of the quasistatic conductivity of bismuth in a magnetic field (ZhETF v. 43, 1120, 1962), the author reports a further detailed study of the anisotropy of the extremal cross sections and of certain features of oscillations, both for the electron and hole parts of the Fermi surface of bismuth. The quantum oscillations of the Shubnikov--deHaas type were investigated in bismuth single crystals

Card 1/3

ACCESSION NR: AP4042564

at 1.6K in 5 Mc fields up to 12.5 kG, using an experimental technique described in the earlier paper (see also ZhETF v. 46, 123, 1964). The fact that the relative amplitude of the oscillations corresponding to different portions of the Fermi surface changes with the directions of the linear high-frequency currents in the sample yielded curves that were easy to interpret. A study of the hole oscillations showed that their period depends on the magnetic field intensity, and that a sharp reduction of the oscillation amplitude occurs for certain directions of the magnetic field. "In conclusion the author thanks M. S. Khaykin and V. S. Edel'man for the bismuth sample and for discussing the results, and also A. A. Abrikosov, L. A. Fal'kovskiy, and R. T. Mina for valuable discussions." Orig. art. has: 7 figures.

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR  
(Institute of Physics Problems, Academy of Sciences SSSR)

Card 2/3

ACCESSION NR: AP4042564

SUBMITTED: 23Jan64

DATE ACQ:

ENCL: 00

SUB CODE: NP, SS

NR REF SOV: 005

OTHER: 003

Card 3/3

VOL'SKIY, Ye.P.

Quantum oscillations of the quasi-static conductivity of bismuth in a magnetic field. Zhur.eksp.i teor.fiz. 46 no.6:2635-2041 Je '64.

1. Institut fizicheskikh problem AN SSSR.

(NTR 1710)

VOL'SKIY, Ye.V., kand.tekhn.nauk; POROKHIN, A.A., kand.tekhn.nauk

Applying the results of the research of the All-Union  
Scientific Research Institute of the Plywood Industry  
in production. Der.prom. 14 no.11:27-29 N '65.

(MIRA 18:11)

VOL'SKIY, Ye.V.; POROKHIN, A.A.

Semiautomatic production line in the section peeling-clipping-lay up of veneer sheets. Der.prom. 11 no.11:17-19 N '62.

(MIRA 15:12)

(Veneers and veneering) (Assembly-line methods)

~~VOL'SKIY, Ye. V. - inzh.~~

~~Grinding cutting tools used in plowing curled veneer sheets. Der.  
prom. 7 no.3;7-8 Mr '58.~~  
(MIRA 11:4)

~~1. TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.  
(Grinding and polishing)~~

VOL'SKIY, Ye.V., inzh.

Manufacturing peeled corrugated veneer. Trudy TSNIIFM 1:30-53  
'60. (MIRA 16:5)  
(Veneers and veneering)

VOL'SKII, Z.

VOL'SKII, Z. Vsia Sibir'. Spravochnaia kniga po vsem otrasmiam kul'turnoi i torg.- promyshl. zhizni Sibiri. Izd. I. S.-Peterburg, Izd. pri Pervom S.-Peterburg-skom adresnom dielie, 1908. 582 p.

DLC: UNclass.

So: LC, Soviet Geography, Part II, 1951/Unclassified.

VOL'SKII, Z.

VOL'SKII, Z. Vsia Sibir'. Spravochnaia kniga po vsem otrasmam kul'turnoi i torg.-promyshl. zhizni Sibiri. Izd. I. S.-Peterburg, Izd. pri Pervom S.-Peterburgskom adresnom dielie, 1908. 582 p.

DLC: Unclass.

SO: IC, Soviet Geography, Part II, 1951/Unclassified

VOLSKOV, A.A. (Sverdlovsk)

In the Commission for the History of Technology at the Presidium  
of the Ural Branch of the Academy of Sciences of the U.S.S.R.  
Vop. 1st. est. 1 tekh. no.6:224-226 '59. (MIRA 12:6)  
(Ural Mountain region--Technology)

USSR/Chemistry - Synthesis Quinuclidine

Jul 49

"Synthesis of Quinuclidine (I)," N. V. Ruktsov, V. A. Volkova, All-Union  
Sci Res Chemicophar Inst imeni Ordzhenikidze, Moscow, 3 3/4 pp

"Zhur Obshch Khim" Vol XIX, No 7

Describes synthesis of I, starting with beta-(piperidyl-(4)-propionic acid and progressing through intermediate stages over corresponding N-benzoyl derivative and beta-(N-benzoyl-piperidyl-(4)-ethylbromide.  
Submitted 17 Mar 47.

PA 2/5CT67

VOLSKOVA, V. A.

12-4

## Synthesis of (5-ethyl-2-quinuclidinyl)(2-pyridyl)carbinol.

V. M. V. Rubtsov and V. A. Volskova (U.S. Ordzhonikidze All-Union Sci. Research Chem. Inst., Inst., Moscow), *Zhur. Obshch. Khim.* 23, 1683-84 (1953); *cf. C.A.* 41, 7634. To 2.4 g. Na in 4.8 ml. abs. EtOH in Et<sub>2</sub>O was added 15 g. Et picolinate and 17 g. Et N-benzoylhomochlorophosphate, the Et<sub>2</sub>O removed by heating to 80°, the mixt. stirred 4 hrs. at 80°, cooled, quenched in H<sub>2</sub>O, extd. with Et<sub>2</sub>O, and the aq. layer neutralized with H<sub>2</sub>SO<sub>4</sub>, and again extd. with Et<sub>2</sub>O, yielding 55.1% red oily 2-(3-ethyl-1-benzyl-4-piperidyl)-1-carbethoxymethyl 2-pyridyl ketone, which without purification was refluxed 4 hrs. with 10 parts 17% HCl, the product washed with Et<sub>2</sub>O, made alk. with 50% KOH, and extd. with Et<sub>2</sub>O, yielding 5.88 g. crude 2-(3-ethyl-4-piperidyl)ethyl 2-pyridyl ketone; this treated in 10 ml. abs. EtOH with 1.05 g. (CO<sub>2</sub>H) in 5 ml. abs. EtOH and dill. with 125 ml. dry Me<sub>2</sub>CO yielded a ppt. of the pure ketone oxalate, (C<sub>14</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>)<sub>2</sub>C<sub>2</sub>H<sub>4</sub>O<sub>4</sub>, m. 175.5-7.0° (from EtOH), in 44.0% yield. The oily free base (2.69 g.) in 19 ml. 48% HBr treated at 60° with 1.74 g. Br in 9 ml. 48% HBr, the mixt. stirred 20 min. at 80°, evapd. *in vacuo*, and the residue treated with 12.2 g. NaHCO<sub>3</sub> in 60 ml. H<sub>2</sub>O and 60 ml. CHCl<sub>3</sub>, shaken 2 hrs., the aq. layer extd. with 50 ml. CHCl<sub>3</sub>, and the combined CHCl<sub>3</sub> soln. evapd. gave 05% 5-CHCl<sub>3</sub>, and the combined CHCl<sub>3</sub> soln. evapd. gave 05% 5-CHCl<sub>3</sub> ethyl-2-quinuclidinyl 2-pyridyl ketone, m. 155-6°, [α]<sub>D</sub> 76.2° (EtOH) immediately, [α]<sub>D</sub> 76.7° (EtOH) after 24 hrs. The ketone (2.47 g.) in 20.2 ml. N HCl shaken with 10 ml. 2% PdCl<sub>4</sub> soln. until the orange ppt. dissolved and the mixt. hydrogenated at a slight H<sub>2</sub> pressure and room

temp. yielded 2.28 g. corresponding carbinol, b.p. 125-132°, [α]<sub>D</sub> 70.8° (in EtOH). Attempts to sep. the expected 4 stereoisomers through the tartrates or camphorquinones were unsuccessful. Boiling with dill. AcOH cleaved the quinuclidinyl ring, yielding 2-(3-ethyl-4-piperidyl)ethyl 2-pyridyl ketone. The carbinol was inactive against avian malaria. Synthesis of (2-quinuclidinyl) 2-pyridylcarbinol. VI. *Ibid.* 1688-91.—To Et<sub>2</sub>ONa from 1.25 g. Na and 2.5 g. EtOH suspended in Et<sub>2</sub>O was added 7.5 g. Et picolinate and 8.5 g. Et 3-(1-benzoyl-1-piperidyl)propanoate, the Et<sub>2</sub>O distd., the mixt. heated 4 hrs. at 80°, dill. with CdH<sub>2</sub>, cooled, shaken with cold H<sub>2</sub>O, the aq. layer washed with Et<sub>2</sub>O, and treated with 10% H<sub>2</sub>SO<sub>4</sub> until neutral; extn. with Et<sub>2</sub>O gave 57.0% crude 2-(1-benzoyl-1-piperidyl)-2-carbethoxymethyl 2-pyridyl ketone, which, refluxed 4 hrs. with 10 parts 17% HCl, was cleaved to 75.6% 2-(1-piperidyl)ethyl 2-pyridyl ketone, an oil; *mono-HCl salt*, m. 182.5-4.5° (crude), m. 189.5-90.0° (from EtOH-Me<sub>2</sub>CO). The HCl salt (2 g.) in 7.5 ml. 48% HBr treated at 50° with 1.25 g. Br in 9 ml. 48% HBr, the mixt. heated 15 min. to 80°, evapd. *in vacuo*, and the residue ribbed with abs. EtOH and dill. with dry Me<sub>2</sub>CO gave 81.6% yellow 2-(1-piperidyl)-1-bromoethyl 2-pyridyl ketone, 2.85 g., *di-HBr salt*, decomp. 170-1°, treated in CHCl<sub>3</sub> with 3.1 g. NaHCO<sub>3</sub> in 45 ml. H<sub>2</sub>O and shaken 2.5 hrs. gave 63.7% 2-quinuclidinyl 2-pyridyl ketone, m. 71.5-3.0° (from petr. ether), hydrogenated over Pt in N HCl to mixed diastereomeric racemates of (2-quinuclidinyl) 2-pyridylcarbinol, m. 89-93°. After conversion to the mono-HCl salts in abs. HCl, a separate sol. isomer of the HCl salt, m. 232-3° (from abs. EtOH), gave the free carbinol, m. 118-19° (from petr. ether), which yielded a very hygroscopic di-HCl salt. The mother liquor after sepn. of this isomer gave the HCl salt, m. 175-7°. Both the 2nd racemate, whose free base carbinol, m. 89-2°. Both

M. V. Rubtsov

212

isomers suffer cleavage of the quinuclidinyl ring in hot aq. AcOH; both were inactive against *Plasmodium relictum*. (2-Quinuclidinyl)-1-naphthylcarbinol. VII. *Ibid.* 1893-6.— To 1.23 g. Na in 2.40 g. EtOH, suspended in Et<sub>2</sub>O, was added 10 g. Et 1-naphthoate, the mixt. heated to 100° with distn. of Et<sub>2</sub>O, 3.6 g. Et  $\beta$ -(*N*-benzoyl-4-piperidyl)-propionate added, the mixt. heated 10 hrs. at 100°, cooled to 70°, dild. with 50 ml. C<sub>6</sub>H<sub>6</sub>, and allowed to cool with stirring. The cooled mixt. was treated with 200 ml. ice H<sub>2</sub>O, the aq. layer washed with Et<sub>2</sub>O, neutralized with H<sub>2</sub>SO<sub>4</sub>, and extd. with CHCl<sub>3</sub>, to yield 3.2 g.  $\beta$ -(*N*-benzoyl, 4-piperidyl)- $\alpha$ -carbethoxyethyl 1-naphthyl ketone, which was refluxed 3 hrs. with 20 parts 1:1 EtOH-conc'd. HCl, yielding 73.8%  $\beta$ -(*4*-piperidyl)ethyl 1-naphthyl ketone, a yellow oil; HCl salt, m. 173.8-5.0° (from abs. EtOH). This (1.97 g.) in 12 ml. 48% HBr at 70° was treated over 10 min. with 1.03 g. Br in 10 ml. 48% HBr and heated 25 min. at 80°. On cooling there was obtained 88.4%  $\beta$ -(*4*-piperidyl)- $\alpha$ -bromoethyl 1-naphthyl ketone-HBr, m. 189-90°. This (2.3 g.) in CHCl<sub>3</sub> was shaken 2.5 hrs. with 2.5 g. NaHCO<sub>3</sub> in 30 ml. H<sub>2</sub>O, yielding 60% 2-quinuclidinyl-1-naphthyl ketone, m. 98.5-100° (from petr. ether); HCl salt, m. 246-7° (from H<sub>2</sub>O). This (1.62 g.) hydrogenated over Pd in dil. aq. HCl gave 0.37 g. 2-quinuclidinyl-1-naphthylcarbinol, m. 200-1°; HCl salt, m. 203.3-6.5°; the less sol. material, racemate A, is sparingly sol. in Et<sub>2</sub>O. The ethereal mother liquor on further evapn. gave 1.08 g. oil, which treated with HCl, gave 0.92 g. HCl salt, m. 207.5-9° (from EtOH-Me<sub>2</sub>CO), of the other racemate, racemate B, the free base of which m. 133-5°. The diastereoisomeric racemates A and B are unchanged after refluxing in AcOH (50%), in which respect they differ from the quinine alkaloids. Both racemates are inactive against *Ascaris myaria*. Q, M. V. Rubtsov

RUBTSOV, M.V.; VOISKOVA, V.A.

Synthesis of [quimiclidyl-(2)]-[pyridyl-(2)]-carbinol; part 6. *Zhur. ob. khim.*  
23 no.10:1688-1691 0 '53. (MLRA 6:11)

1. Vsesoyuznyy Nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut  
im. S.Ordzhonikidze, Moscow. (Carbinols)

RUBTSOV, M.V.; VOLSKOVA, V.A.

[Quinuclidyl-(2)]-[naphthyl-(1)]-carbinol; part 7. Zhur. ob. khim. 23 no.11: 1893-1896 N 153. (MIRA 6:11)

1. Vsesoyusnyy Nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut im. S. Ordzhonikidze. (Carbinol)

*VOLSKOVA, V.A.*

MAGIDSON, O.Yu.; VOLSKOVA, V.A.

Chloridine. Med.prom. 11 no.12:13-17 D '57.

(MIRA 11:2)

1. Vsesoyusnyy nauchno-issledovatel'skiy khimiko-farmaceuticheskiy  
institut imeni S.Orgshonikidze.  
(PYRIMIDINE)

MAGIDSON, O.Yu.; VOLSKOVA, V.A.; FEDOSOVA, V.M. [deceased]

Alkamine esters of  $\alpha$ ,  $\omega$  -diphenylalkylcarboxylic acids.  
Part 3: Derivatives of  $\beta$  -phenyl-  $\alpha$  -( $\pi$  -methoxyphenyl)  
propionic,  $\alpha$ ,  $\beta$  -diphenylpropionic, and  $\alpha$ ,  $\gamma$  -diphenyl-  
butyric acids. Zhur. ob. khim. 30 no.6:1860-1866 Je '60.  
(MIRA 13:6)

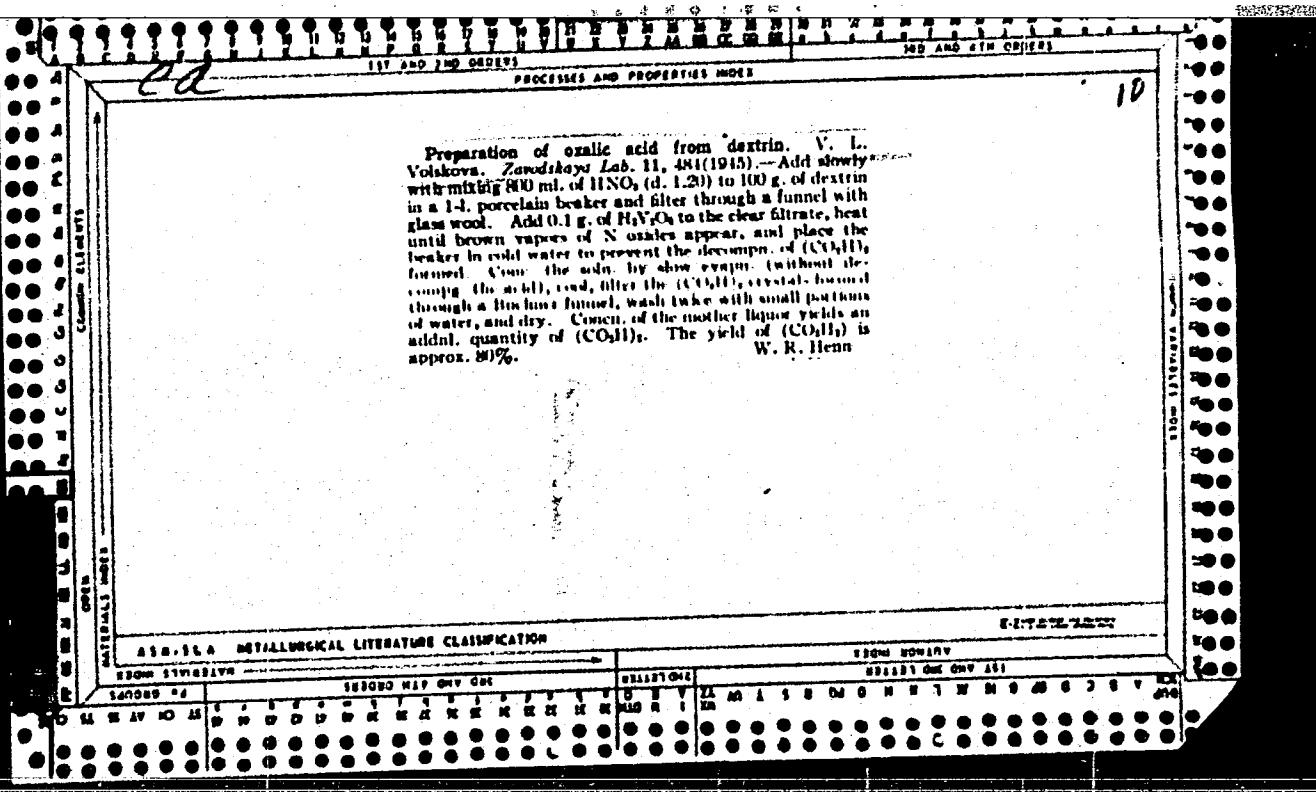
1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevti-  
cheskiy institut imeni S. Ordzhonikidze.  
(Propionic acid) (Butyric acid)

VOL'SKIY, Vasiliy Grigor'yevich.

[What the practices of leading corn growers of Lvov Province during 1955 have shown] Shcho pokazav dosvid roboty peredovyciv kulurudzosiannia na L'vivshchyni v 1955 rotsi. L'viv, 1956. 35 p. (Lvov Province—Corn (Maize)) (MIRA 11:10)

**Preparation of potassium permanganate by oxidation with air.** V. I. Volskaya, *Zurabskaya Lab.*, 11, 681 (1945).—Heat 400 g. of KOH soln. to boiling in a cast-iron vessel, force compressed air into the boiling soln. through a glass tube reaching almost to the bottom of the vessel and simultaneously through a Bichner funnel inverted over the liquid (this facilitates mixing of the soln. and prevents losses of KOH due to spattering). Add 400 g. of pyrolysite in small portions to the soln. After the mass thickens, discontinue the passing of air through the glass tube. Further heating transforms the melt into powder. Ignite the powder for 3 hrs., passing air continuously through the Bichner funnel, cool, treat with hot water in a current of  $\text{CO}_2$ , filter, and evap. to obtain  $\text{KMnO}_4$  crystals or use it directly as  $\text{KMnO}_4$  soln.

W. R. Penn



POLAND / Physical Chemistry. Kinetics. Combustion. B  
Explosions. Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 21, 1958, 70142.

Author : Krause, Vol'sky, Dankevich.

Inst : Not given.

Title : The Catalytic Oxidation of  $As_2O_3$  by Air Oxygen  
in the Presence of  $Mn(OH)_2$ .

Orig Pub: Roczn. Chem., 1957, 31 No 3, 783 - 791.

Abstract: It was demonstrated that  $Mn(OH)_2$  catalyzes effectively the oxidation of  $As_2O_3$  by air oxygen at 18° C. The effect of various parameters upon this system has been investigated. The pH of the system has a great influence upon the reaction velocity.  $Co(OH)_2$  and  $Cu(OH)_2$  promote the above reaction of  $Mn(OH)_2$ .

Card 1/1

VOLSKY

POLAND / Physical Chemistry. Kinetics, Combustion,  
Explosions, Tepochemistry, Catalysis.

B

Abs Jour: Ref Zhur-Khimiya, No 16, 1958, 53016.

Author : Krause, Volsky, Svetlyak.

Inst : Not given.

Title : Cuprous Oxide Activity in Regard to a Catalytic  
Mutation.

Orig Pub: Roczn. chem., 1957, 31, No 2, 413-419.

Abstract: In the decomposition of  $H_2O_2$  the catalytic activity  
of pure  $Cu_2O$  (I) was investigated as well as that  
of a I used as a carrier for the series of ions;  
 $[Fe(CN)_6]^{4-}$ ,  $Fe^{3+}$ ,  $WO_4^{2-}$ ,  $Co^{2+}$ ,  $Al^{3+}$ ,  $Ni^{2+}$ . It

Card 1/2

S.C. 6.

*and Materials*

**VOLSKY, I.G.**

Technique of the loading of tyres (into boats).  
V. V. Volsky and V. A. Sosnikov (Kuchuk i Resina,  
1941, No. 1, 64; Rev. Gen. Constr., Doc. Anal.,  
1942, 22, 51).—A special device is described de-

signed to convey tyres from the depot to the boats  
on which they are to be loaded. An inclined plane  
and an air cable are utilized. 7542

1946

VOL'SON, I.; KOROLEV, M.

Use of an electronic calculating machine in planning and account-  
ing for labor and wages. Biul.nauch.inform.: trud i zar.plata  
no.11:26-33 '59. (MIRA 13:5)

(Electronic calculating machines)  
(Moscow--Automobile, Industry--Accounting)

Brit. Abs.

**Processes occurring in the calcining of zinc phosphate and cement.**  
 V. F. Zharov, S. I. Vatagin and B. I. Shevchenko. *J. appl. Chem. U.S.S.R.*, 1960, **33**, 118-128.—The influence of temp. (1100-1650°) on  $ZnO$ ,  $MgO$ ,  $CaO$ , and  $SiO_2$  in the binary systems  $ZnO-MgO$ ,  $ZnO-SiO_2$ ,  $ZnO-CaO$ , ternary systems  $ZnO-MgO-SiO_2$ ,  $ZnO-MgO-CaO$ ,  $ZnO-CaO-SiO_2$ , and a quaternary system  $ZnO-MgO-CaO-SiO_2$ , without and with mica minerals, has been investigated. Photo optical and X-ray analysis prove that at these temp., withmeyerite ( $Zn_2SiO_5$ ) is formed. A solid solution of  $ZnO$  in  $MgO$  is also formed, which may contain up to 25-30 wt.-% of  $ZnO$ . The unit cell of  $ZnO$  increases from 4.238 for pure  $MgO$  to 4.238 Å. for a calcium mixture of  $MgO$  50 and  $ZnO$  50%. Cement powder obtained after calcining consists of the following phases: (1)  $ZnO$ ; (2) solid solution of  $ZnO$  in  $MgO$ ; (3) small quantity of  $Zn_2SiO_5$ ; and (4) small quantities of other components of secondary importance. At temp. investigated partial fusion, sintering, and melting of  $ZnO$  crystals occur, especially in presence of  $SiO_2$ . Minerals have a great effect in this respect, especially cryolite (2) and the mixture of cryolite (1) and bauxite (1%); they also make possible the lowering of the calcining temp. by 100-150°. Compressive strength of the cement containing minerals increases by more than 100%, and the quality of cement is of much better quality than one without minerals.

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CIA-RDP86-00513R001860720019-7"

VOL'SOV, V.P., inzh.; IVAN'KO, T.Ya, inzh.

Constructing foundations for buildings of few stories above the  
freezing depth. Stroi prom. 36 no. 7:16-18 Jl '58. (MIRA 11'8)  
(Foundations)  
(Frozen ground)

VOL'SOVA, Ye. Ye.

"Pathologic Anatomy in cases of Poisoning by Caustic Soda" by Ye. Ye. Vol'sova, Chair Forensic Medicine (Chief Prof. V. F. Chervakov), First Moscow Ord Lenin Med. Inst. pp. 57-76

SO: Luchshiyye Nauchnyye Raboty Aspirantov (Best Scientific Work of Aspirants) Submitted at Medical Higher Educational Institution and Sci Res Inst. Published by Medgiz, Moscow, 1951. Edited by Prof. A. G. Gukasyan. Armed Forces Med Lib WB 5 G 969L 1951

VOLTA, M., doc.

Demographic standpoint in protecting woman's health and modern problems  
of human reproduction. Cesk. gyn. 27 [41] no.6/7-456-462 Ag '62.

1. Ustav pro peci o matku a dite, Praha-Podoli, reditel doc. dr. M. Vojta.  
(ABORTION THERAPEUTIC) (POPULATION)  
(GYNECOLOGY)

VOLTAY, B.; HITTNER, I.

Pneumococcal peritonitis. Acta med. hun. 15 no.1:375-380 '60.

1. I. Kinderklinik der Medizinischen Universität, Budapest.  
(PNEUMOCOCCAL INFECTIONS in inf. & child)  
(PERITONITIS in inf. & child)

TOTH, Margit; OSVATH, P.; GALAMBOS, M.; VOLGYI, B.

Kindergarten outbreak of an exanthematos disease caused by  
Echovirus type 9. Acta paediat. acad. sci. Hung. 5 no.2:235-  
239 '64.

1. Jaszlo Central Hospital for Infectious Diseases (Director:  
Dr. J. Horan), Budapest.

## HUNGARY

VOLTAY, Bela, Dr, GECK, Peter, Dr, OSVATH, Pal, Dr, BACKHAUSZ, Richard, Dr, LOSONCZY, Gyorgy, Dr, VIGH, Gyula, Dr, EGONAR, Szilard, Dr; Capital City Council, Laszlo Hospital, National Public Health Institute and Human Vaccine Producing and Research Institute (Fovarosi Tanacs, Laszlo Korhaz, Orszagos Kozegeszsegugyi Intezet es Human Oltoanyagtermelo es Kutato Intezet).

## "Immune Fluorescence and Passive Hemagglutination Tests in Cases of Enterocolitis in Children."

Budapest, Orvosi Hetilap, Vol 104, No 21, 21 May 63, pages 975-978.

Abstract: [Authors' Hungarian summary modified] The shigella excretion of children with enterocolitis was determined by bacterial cultures of samples taken from the rectum as well as by microscopic examination of fecal smears, stained with fluorescent dyes which combine with the specific immune serum. Both methods gave rapid, and twice as frequent positive results as the usual bacteriological tests. The shigella antibody titer was elevated in the majority of cases where all diagnostic tests were negative. In the authors' opinion all bloody, mucous diarrhea of children should be considered as dysentery regardless of the bacterio-  
1/2

the stool, should be screened by the immune fluorescence method. A positive test is indicative, while negative results do not necessarily exclude the presence of dysentery. 2 Eastern European, 15 Western references.

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2/2

TOTH, Margit; BARNA, Maria; VOLTAY, B.

Aetiology of acute respiratory diseases in infants and children.  
Acta paediat. acad. sci. Hung. 6 no.3/4:367-374 '65.

1. Laszlo Central Hospital for Infectious Diseases, Budapest.  
Submitted June 11, 1965.

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Liver biopsies in infant and childhood hepatitis. Orv.  
hetil. 104 no.34:1607-1608 25 Ag '63.

1. Fovarosi Laszlo Korhaz.  
(INFANT, NEWBORN, DISEASES) (HEPATITIS)  
(LIVER CYTOLOGY) (LIVER CIRRHOSIS)  
(BIOPSY)

SZUTRELY, Gyula, dr.; VOLTAX, Béla, dr.

Therapy of supraventricular paroxysmal tachycardia by drugs  
decreasing the irritability of the adrenergic nervous system.  
Orv. hetil. 97 no.35:972-974 26 Aug 56.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika janak  
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kozleménye.

(TACHYCARDIA, PAROXYSMAL, ther.

artif. hibernation & Rauwolfia alkaloids, in supraventricular  
tachycardia (Hun))

(HIBERNATION, ARTIFICIAL, ther. use

tachycardia, paroxysmal, supraventricular (Hun))

(RAUWOLFIA ALKALOIDS, ther. use

same)